

PATENT ABSTRACTS OF JAPAN

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(54) PICTURE GENERATION METHOD

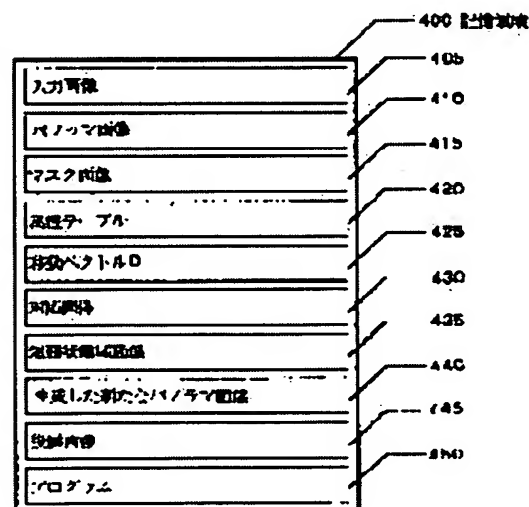
(57)Abstract:

PROBLEM TO BE SOLVED: To change the view point to observe a picture from various view point positions by using pictures taken in plural different photographing positions to generate a picture which may be obtained at the time of photographing in an assumed photographing position.

SOLUTION: An inputted picture is stored in a storage area 405 reserved in a storage area 400 on a storage device.

Two sets of pictures photographed in two or more positions are inputted. Plural generated panorama pictures are divided into pictures of plural areas in accordance with objects in these pictures. Attribute information indicating the sequence of superposition synthesis to respective area pictures is defined. How the whole of panorama pictures should be distorted for each area picture is defined to

generate distortions. The relative view point of an observer with the photographing position of a digital camera as the reference and the sight direction indicating the direction which the observer is looking toward are inputted. Respective divided area pictures are deformed based on calculated extents of distortion of these picture areas, and they are synthesized by superposition in accordance with attribute information to generate a panorama picture.



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